

Release notes for ENDF/B Development t-001_H_003
evaluation

ENDF
B-VII.dev

December 2, 2016

- fizcon Errors:

1. The cross section and an outgoing distribution don't span the same energy region.
MAT= 131, MF= 3, MT= 2 (1): Diff limits (b)

ERROR(S) FOUND IN MAT= 131, MF= 3, MT= 2
THE MAXIMUM INCIDENT ENERGY OF 2.00000E+06 (EV)
SHOULD BE GREATER THAN OR EQUAL TO 2.00000E+07

2. The cross section and an outgoing distribution don't span the same energy region.
MAT= 131, MF= 6, MT= 16 (1): Diff limits (a)

ERROR(S) FOUND IN MAT= 131, MF= 6, MT= 16
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 16

- fudge-4.0 Errors:

1. There is a gap in the cross section
reaction label 0: H3 + H3 / Cross section: (Error # 0): Gap in xsect.

WARNING: Gap in cross section data from 2.e6 eV to 20. MeV

2. Calculated and tabulated Q values disagree.
reaction label 1: n[multiplicity:'2'] + He4 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 10311114.44885159 eV vs 1.1332e7 eV!

3. Energy range of data set does not match cross section range
reaction label 1: n[multiplicity:'2'] + He4 / Product: n / Distribution: / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1000.0 -> 20000000.0) vs (100.0 -> 20000000.0)

4. Energy range of data set does not match cross section range
reaction label 1: n[multiplicity:'2'] + He4 / Product: He4 / Distribution: / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (1000.0 -> 20000000.0) vs (100.0 -> 20000000.0)